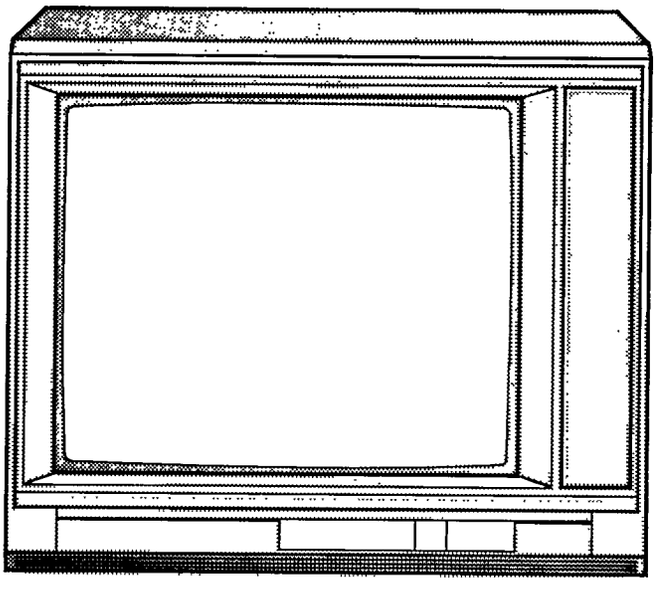
CONSUMER ELECTRONICS

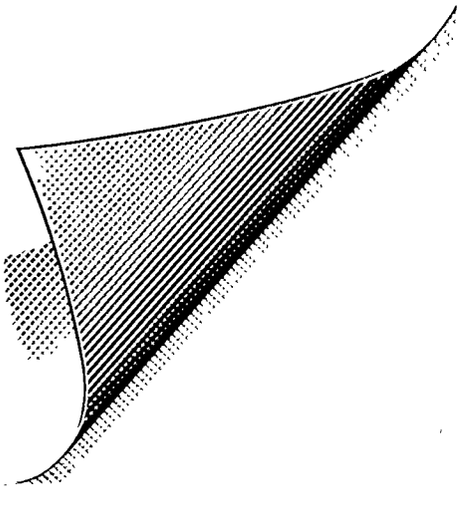
PHILIPS

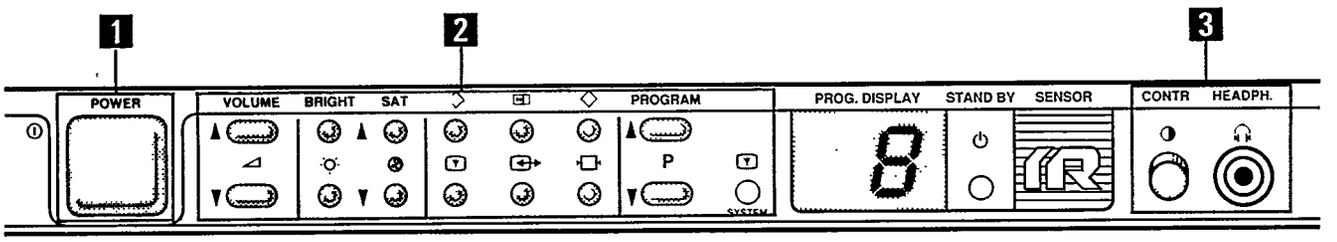


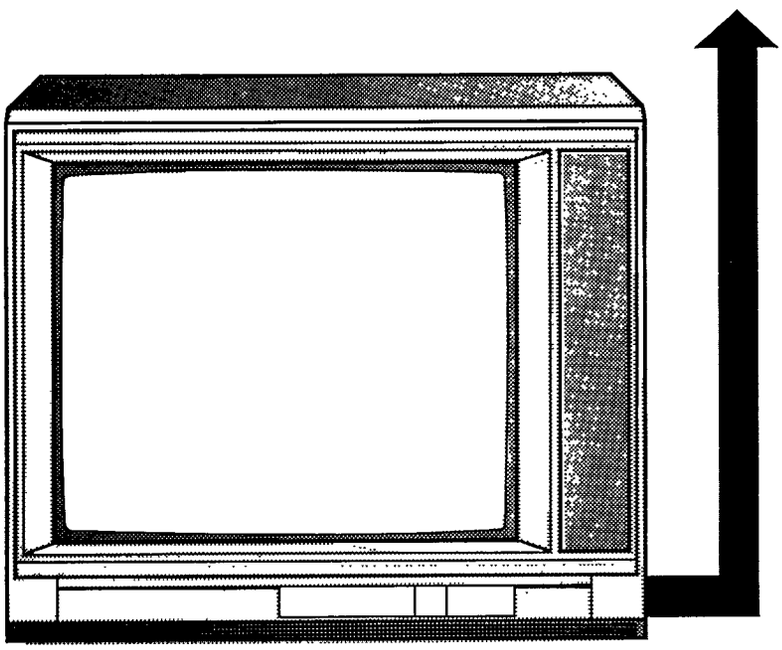
24CE3266
24CE3270
24CE3570
27CE3286
27CE3290
27CE3590

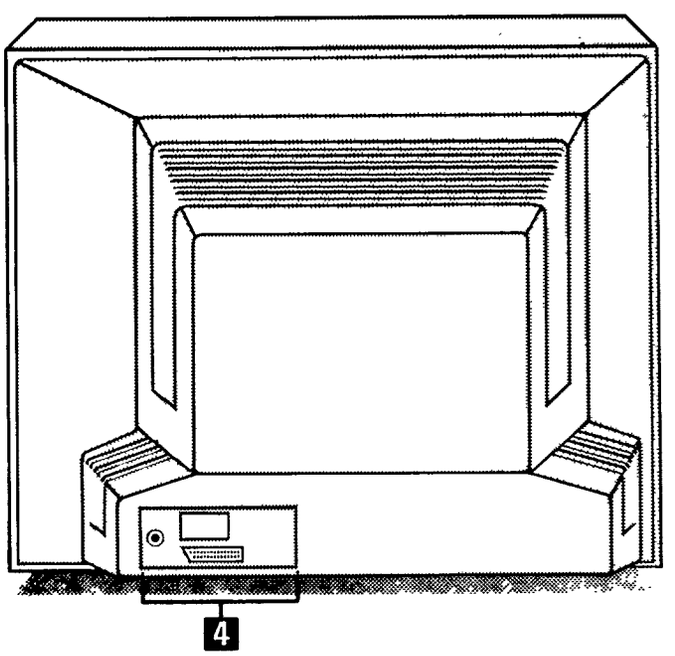
COLOUR TELEVISION
FARBFERNSEHER
TÉLÉVISEUR COULEUR
KLEURENTELEVISIE
TELEVISORE A COLORI
FARVEFJERNSYN
FARGE-TV
FÄRG-TV
VÄRITELEVISIO

English	**Operating instructions** Page 1-9	**Attention!** ● Always open this flap page first.
Deutsch	**Bedienungsanleitung** Seite 10-17	**Achtung!** ● Immer zuerst dieses Umschlagblatt öffnen.
Français	**Mode d'emploi** Page 18-25	**Attention!** ● Commencez toujours par ouvrir ce rabat.
Nederlands	**Gebruiksaanwijzing** Pagina 26-33	**Attentie!** ● Altijd eerst deze flap openslaan.
Italiano	**Istruzioni per l'uso** Pagina 34-41	**Attenzione!** ● Aprire sempre prima questa pagina pieghevole.
Dansk	**Betjeningsvejledning** Side 42-49	**Bemærk!** ● Denne klapside skal altid slås op som noget af det første.
Norsk	**Bruksanvisning** Side 50-57	**Merk!** ● Denne klaffsiden må alltid åpnes først.
Svenska	**Bruksanvisning** Sidan 58-65	**Obs!** ● Slå alltid upp den här fliken först.
Suomi	**Käyttöohje** Sivu 66-73	**Huom.!** ● Avaa aina ensin kääntösivu.




1
2
3
POWER
VOLUME
BRIGHT
SAT
PROGRAM
P
PROG. DISPLAY
STAND BY
SENSOR
CONTR
HEADPH.

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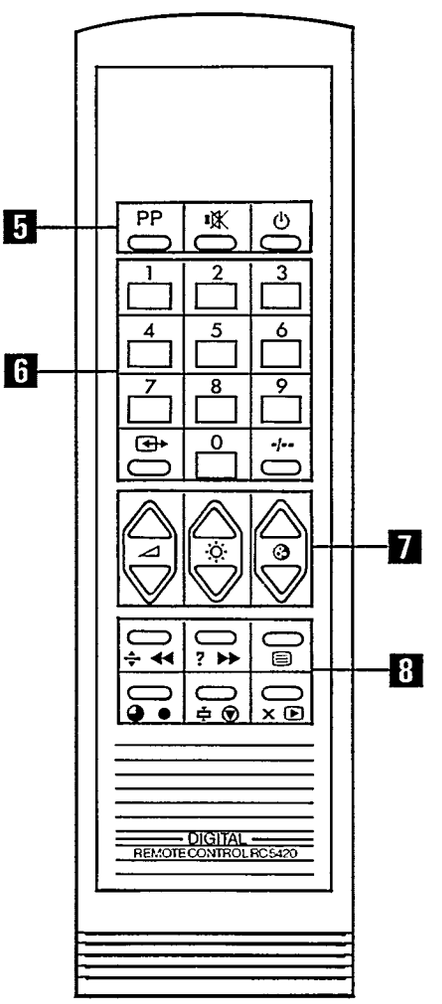

5
6
7
8
PP
DIGITAL
REMOTE CONTROL RC5420

Information for users in the UK

(Not applicable outside the UK)

Service for you

Your colour television has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained it will perform well for many years. However, we all know that in such complex equipment components can sometimes fail.
The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. Our own Service Division - Philips Service - provides your dealer with comprehensive technical advice, and distributes approved spare parts from Service Centres throughout the country. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.
In any event you may expect speedy attention to restore your set to full working order without delay.

Free service for 12 months:
The dealer from whom the receiver was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 12 months from the date of initial consumer sale provided:
- reasonable evidence is supplied that the set was purchased within 12 months prior to the date of claim
- the defect is not due to use of the set on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexpert modification or repair.

The picture tube guarantee is administered by Mullard Limited, renowned manufacturer of colour picture tubes.
In addition to the customary 1 year free tube guarantee, Mullard will extend the guarantee period by a further 3 years for a nominal fee.
To register your tube guarantee please send:
a) your name and address;
b) your set's identity card (which will be returned to you);
c) a cheque/p.o. made out to 'Mullard Ltd' for £ 15.00 if you wish to extend your 1 year by a further 3 years;
to the following address:

Mullard Limited
Service Department
Free Post
Beddington Lane
Croydon CR9 9AU

Service after 12 months:
Continuing service after 12 months is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

If you have any question which your dealer cannot answer, please write to:

C.E. Consumer Relations Department
P.O. Box 298
420 London Road
Croydon CR9 3QR

All enquiries and claims can be handled more efficiently if accompanied by the Identity Card printed on the back cover of this booklet - this is provided for your reference and should be kept in a safe place.

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of no less than 3 cm all round the set for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures.
The set is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

Mains connection

Before connecting the TV set to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important
The wires in the mains lead are coloured according to the following code.

BLUE = NEUTRAL
BROWN = LIVE

If the mains plug (or adaptor) contains a fuse, the value of this fuse should be 3 amp. Alternatively, if another type of plug (not fused), is used, the fuse at the distribution board should not be greater than 5 Amp.
If the colours of the wires in the mains lead do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The BLUE wire should be connected to the terminal marked 'N' or coloured black.
The BROWN wire should be connected to the terminal marked 'L' or coloured red. Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Connecting the aerial

The aerial should be connected to the socket marked ⊓ at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.
Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

General Points

Please take note of the section 'General' at the end of the English section in this booklet.

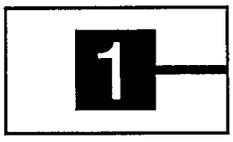
Interference
The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where these are being spoilt by interference. If your dealer cannot help, ask at a main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Installation

In addition to the Operating Instructions, a remote control and three batteries are supplied in a separate packaging with this TV.

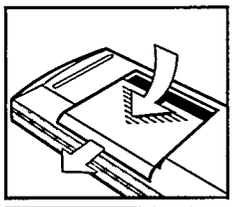
Introduction
The easiest way to learn how to use this TV is to perform the operations described in the order shown.

Important
The drawings in the text are accompanied by figures, e.g. **1**. These correspond to the figures on the fold-out flap. This enables you to easily find the corresponding buttons on the TV and remote control.

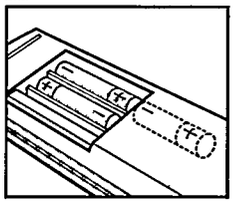


Remote control

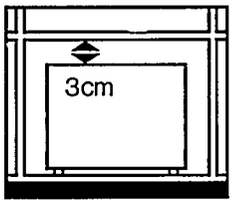
Inserting the batteries



- Remove the cover.

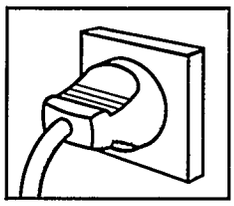


- Insert the three batteries as shown.
- Replace the cover.



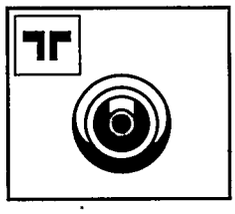
When positioning (building-in) the TV leave a space of **at least 3 cm** around the set for ventilation.

The TV is suitable for 220-240 Volts. Consult your dealer if voltage is different.



- Connect the TV to the mains.

4

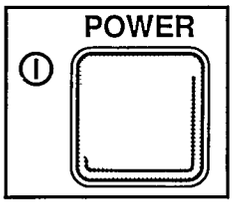


- Connect the aerial to input ⊓ (rear panel of the TV).

Adjustment

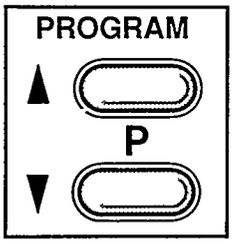
Switching on/off

1



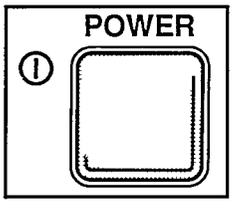
To switch on:
- Press button ⏻ on the TV. A number appears in the window.

2



Note: If indication LED ⏻ lights up you can switch the TV by pressing button ▲ P or button ▼ P.

1



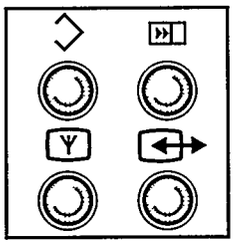
To switch off:
- You can switch the TV off by pressing button ⏻ again.

Selecting the system (PAL (B + G) SECAM-L)

Important! Only valid for TV sets which can be receive several TV sytems

Select the required system.

2

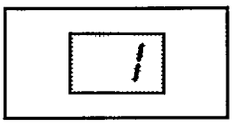


- Press button ⊡ for reception of SECAM-L.
  Indication LED lights up.
- Press button ⊡ again for reception of PAL (B + G).
  Indication LED **does not** light up.

Searching for and storing TV stations in the memory

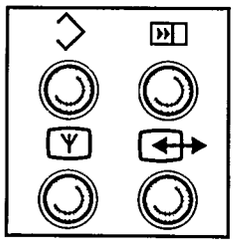
Important!
For programming the TV we speak about:

3



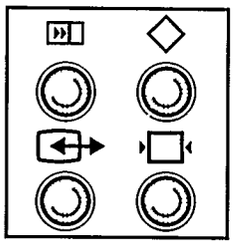
Programme numbers
When the TV is switched on, select the required TV station by a programme number. The programme number is the number you have allocated to a TV station (from 0-39).
The first ten programme numbers can be indicated by one digit (0-9) or two digits (00-09).

The way to search for and store TV stations is described below. Operations A, B, C and D must be performed in the order shown.

2 

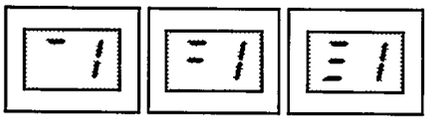
A Opening the memory
- Press button ◇ on the TV.

A programme number starts to flash in the window.

2 

B Tuning to a TV station
- Press button ⏭ and release immediately.

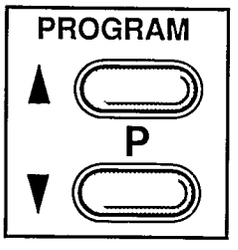
1, 2 or 3 bars* will appear in the window to indicate on which band the stations are being searched for.



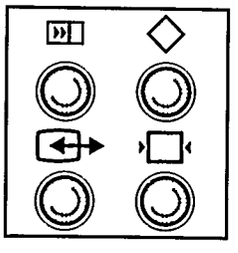
* 1 bar = VHF I (not in UK)
2 bars = VHF III (not in UK)
3 bars = UHF

At the same time the digits 1 to 8 (marking the beginning to the end of the band) indicate the position where one is searching on the band.

When a TV station appears on the screen the same digit as in A starts flashing again. Poor picture? Not the right station? Continue searching by pressing button ⏭ again momentarily.

2 

C Selecting the programme number of a TV station
- You can select the required programme number by pressing button ▼ **P** to run back or ▲ **P** to run on.

2 

D Storing TV stations you have found in the memory
- Press button ◇. The programme number you have selected no longer flashes in the window.

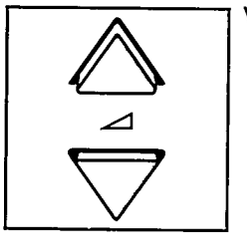
Searching for and storing other TV stations
To search for and store the other stations repeat operations A, B, C and D.

If you connect a Video Recorder to the aerial socket ⊓ you can store the Video Recorder signal for reproduction under any available programme number.

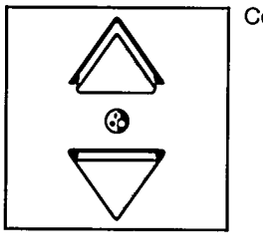
Personal preference setting of picture and sound

Picture and sound have already been set at the factory.
It is, however, possible to set both picture and sound according to your personal preference and to store these settings in the memory.

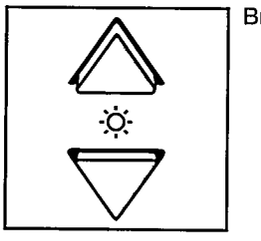
Adjustment
To do this, press the plus △ or minus ▽ side of the relevant buttons:

7 

Volume ◿

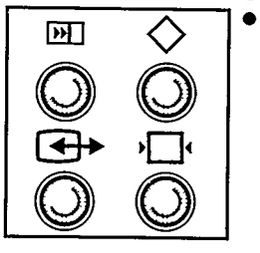
7 

Colour saturation ❁

7 

Brightness ☼

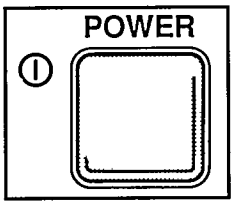
Storing personal preference setting

2 

- Press button ◇ on the TV.

Operating the TV

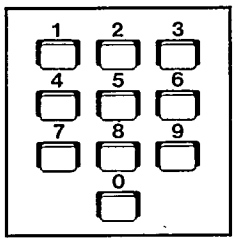
Switching On/Off



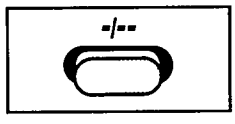
To switch on:
- Press button ⏻. A programme number appears in the window.

To switch off:
- Press button ⏻ again.

Selecting the required programme number



- Select the required programme number with the digit buttons.

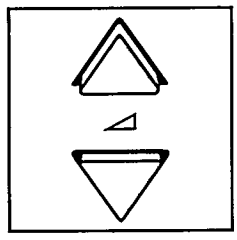


- Press button -/-- for programme numbers containing two digits.

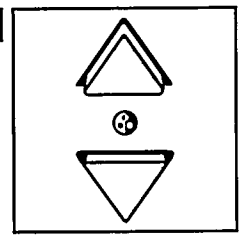
To return to single-digit programme numbers:
- Press button -/-- again.

Changing picture and sound settings

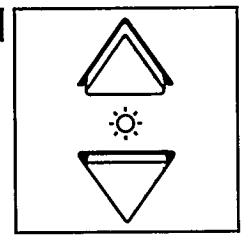
You can change the picture and sound settings by pressing the plus △ or minus ▽ side of the following buttons:



Volume ◿

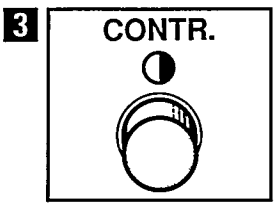


Colour saturation ❁



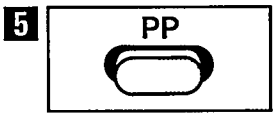
Brightness ☼

Contrast



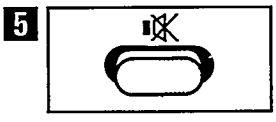
- You can set the contrast (black/white distribution) as desired using knob ◑.

(Green) button PP



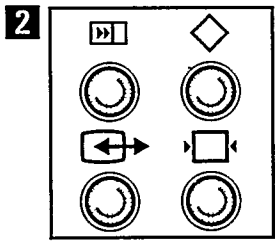
The personal preference setting of picture and sound can be called up by pressing the green button.

Muting the sound



- Press button 🔇 for muting the sound.
- For sound, press button 🔇 again.

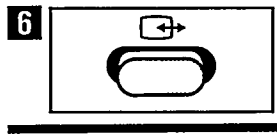
TV/External mode



The External mode is for the use of equipment connected to the Euroconnector.
For more information see 'Euroconnector' section under 'Other connection facilities'.

When selecting TV stations the TV should be in the TV mode.

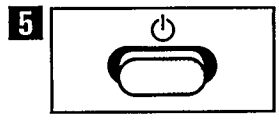
Indicator EXTERNAL (E1 or E2) should not light up.



- If necessary press button ⮕.

Standby

(Interruption of picture and sound)

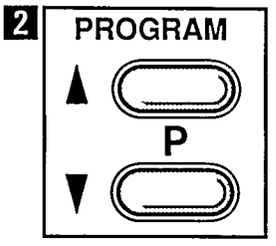


- Press button ⏻.

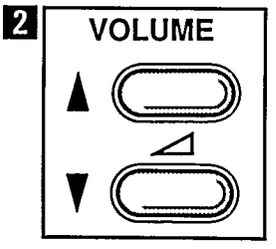
Indication LED (marked ⏻) lights up.
- You can switch the TV on again by pressing a digit button on the remote control.

Operating the TV without remote control

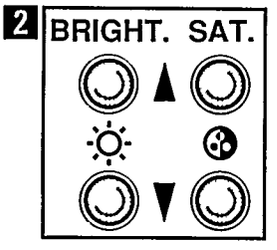
To do this, press the plus ▲ or minus ▼ side of the relevant buttons:



Programme selection P

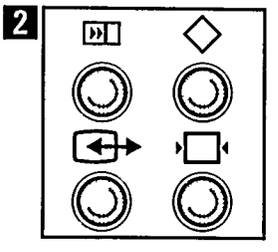


Volume ◿



Brightness ☼

Colour saturation



Button ▭
The personal preference setting of picture and sound can be called up by pressing the button.

Teletext

Important! This applies only to TV sets equipped for Teletext.

General description of Teletext

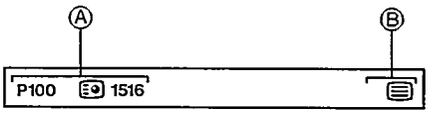
If Teletext is being broadcast it gives you a wide variety of information on all kinds of subjects on the Teletext pages.

The following buttons are provided on the remote control handset:

- Teletext on or return to TV programme
- ✕ Interruption of Teletext
- Double height
- Stop changing pages
- Time code/subcode
- ? Concealed information
- 0..9 Page selection buttons

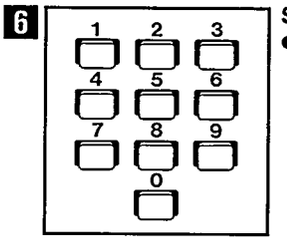
The functions of the various Teletext symbols are described later in the text.

General information

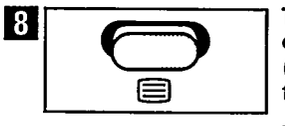


After Teletext is switched on an information line appears at the top of the screen.
The following **may be** indicated in this information line:
Ⓐ = the number of the page coming onto or already on the screen (possibly combined with time code/subcode or with the symbol for stop changing pages). The colour is normally green, but once the page has been found the colour becomes white.
Ⓑ = the Teletext symbol and, depending on use, the symbol for double height or concealed information.

Operating Teletext



Switching On/Off
- Select the required TV station.



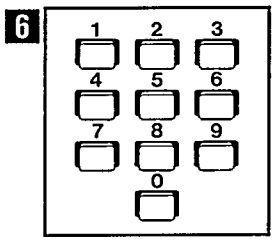
To switch on:
- Press button ▤. Page number 100 (generally the index) now appears on the screen.

To switch off:
- Press button ▤ again.

In the following description of the Teletext functions it is assumed that Teletext has been switched on.

Page selection

The page number always consists of three digits (e.g. 120).



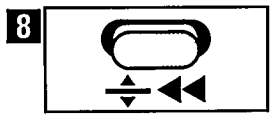
- Select the required page with the digit buttons 0-9 on the remote control. (The page number selected is now visible in green on the information line. When the selected page number has been found this page number is displayed in white.)
The selected page appears on the screen.

Note 1: There are no page numbers which start with 0 or 9. If 0 or 9 is selected as the first digit this error is indicated by **P-..** in the information line.

Note 2: If you have pressed a wrong digit button, first complete a combination of three figures and select the correct page number again.

Note 3: If the chosen page number is displayed in green, the page selected is not being broadcast at that moment.

Double height



- Press button ≑ for double height in the top half of the page.
- Press button ≑ again for double height in the bottom half of the page.
- Press button ≑ again for normal height.

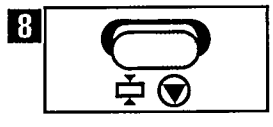
When double height is used the symbol ≑ appears on the information line.

Interruption of Teletext

- Press button ✕.
- To return to Teletext, press button ✕ again.

Stop changing pages

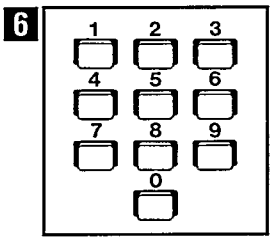
If a page contains more text than is available on the Teletext page, changing pages will often be used within the same page number.



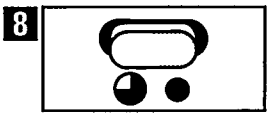
- Press button ⊟. The symbol ⊟ appears on the information line.
- To cancel the stop, press button ⊟ again.

Time code/subcode

A time or subcode can be added to page numbers determined by the Teletext editor.
This makes it possible to:
a. call up a page at a desired time (time code), or
b. to select one of the changing pages directly (subcode).

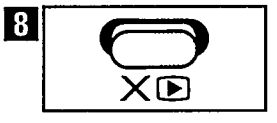


a. Time code
- Select the required page number (e.g. P123).



- Press button ◕.
- Select the desired time (e.g. 13.19 hours).
The information line will now display e.g. P 123 ◕ 1319.

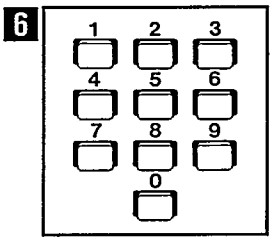
Note: If the chosen page is not available you can go back to the TV programme temporarily.



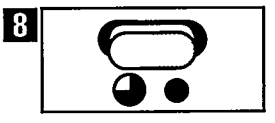
- Press button ✕.
The TV programme returns to the screen again.

Note: Whenever the page is transmitted or found the selected page number appears in the status line.

- Press button ✕ again. The page now appears on the screen.



b. Subcode
- Select the desired page number (e.g. 123).



- Press button ◕.
- Select the desired subcode (e.g. 3).
The information line now displays P123 ◕ 3.

Note: If the chosen page is not available you can go back to the TV programme temporarily.

- Press button ✕. The TV programme returns to the screen again.

Note: Whenever the page is transmitted or found the selected page number appears in the status line.

- Press button ✕ again. The page now appears on the screen.

Concealed information

Depending on the contents of the page, concealed information can be called up.

8

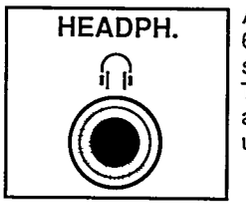
- Press button ?. The concealed information appears on the screen.
- Press button ?. The information disappears.

The symbol ? appears on the information line.

Other connection facilities

Headphones

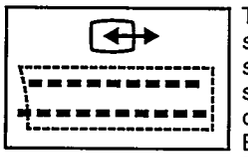
(front panel of TV)

3 

A headphone (8-1000 Ohm) with a 6.3 mm jackplug can be connected to socket ∩.
The built-in loudspeaker is switched off automatically when headphones are used.

Euroconnector

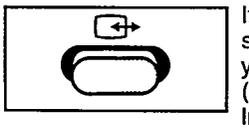
(on rear panel of TV)

4 

The Euroconnector is a multi-functional socket for connecting sources supplying Audio and/or CVBS or RGB signals. See the operating instructions of the source to be connected.
Before the source is connected to the Euroconnector it is advisable to switch the TV off momentarily using button ⏻.
When using connected equipment you must switch to the External position.

Switching may be:

- **Automatic**
  If the source to be connected supplies the switchover signals for this.
  Indicator E lights up in window.

6 

- **Non-automatic**
  If the source to be connected does not supply an automatic switchover signal, you can switch over using button ⇥ (External) on the remote control.
  Indicator E- lights up in the window.

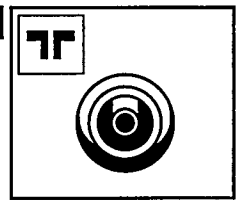
Depending on the equipment connected, CVBS or RGB signals are supplied.
Select digit 1 (for CVBS) or digit 2 (for RGB) using the digit buttons. The indicator E1 or E2 lights up in the window.

- To return to the TV-programme, press button ⇥ again.

Video Recorder

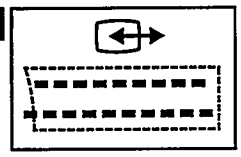
(Intended for most Video Recorders in our range)

Installation



Connection via aerial cable

- Connect the TV aerial cable to input ⊓ on the Video Recorder.
- Connect the cable supplied with the Video Recorder to output **TV** on the Video Recorder and aerial input ⊓ on the TV.



Connection via Euroconnector

If required, you may also connect a Eurocable. Consult your dealer for the correct Eurocable.

Connecting the Video Recorder via a Euroconnector offers the following advantages:
- increased quality of picture and sound reproduction
- easier operation.

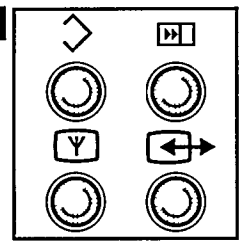
Adjustment

Important:
Adjustment is only necessary if the Eurocable is **not** connected.
Indicator E1 or E2 in the window must not light up. Press button ⇥ if necessary.

Searching for and storing the Video Recorder channel in the memory

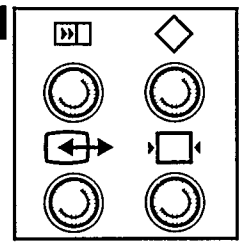
- Press the playback button 'Play' on the Video Recorder. There must **not** be a cassette in the cassette holder.

To search for and store the Video Recorder channel in the memory (recognisable by a test pattern), you should perform the following operations **A**, **B**, **C** and **D** on the TV.



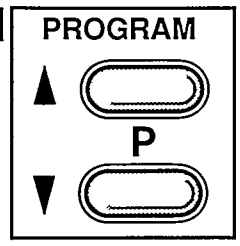
A Opening the memory

- Press button ◇. A programme number starts flashing in the window.



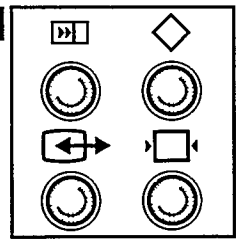
B Searching for the Video Recorder channel

- Press button ⏭ briefly. When a picture appears on the screen the same digit as in **A** starts flashing again. If this is not the test pattern, you must continue searching by pressing button ⏭ briefly again.



C Selecting a programme number

- You can select the required programme number by pressing button ▼ **P** to run back or **P** ▲ to run on.



D Storing the Video Recorder channel in the memory

- Press button ◇.

Note: For play back of a video cassette you have to select the programme number on which you have stored the Video Recorder channel.

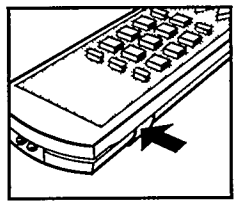
Operating the Video Recorder

a. If no Eurocable is connected, select the reserved programme number for the Video Recorder channel.

b. If a Eurocable is connected, your TV is automatically switched over to the Video Recorder channel.

Operating the Video Recorder via the TV remote control

(intended for most Video Recorders from our range)

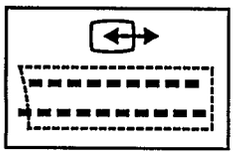


As long as the button (on the side of the remote control) is kept pressed in, instructions can be given to the Video Recorder.

For the use and functions of the symbols see the Operating Instructions for your Video Recorder.
The functions of these buttons correspond to those of the buttons on the Video Recorder.

Technical information

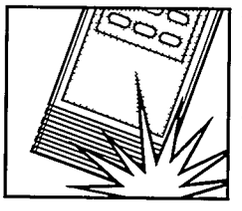
Euroconnector

4 

The specification of the Euroconnector is as follows:

Pin		
1	audio output (connected to pin 3)	0.5 Vrms/ ⩽ 1 kohm
2	audio input (connected to pin 6)	0.5 Vrms/ ⩾ 10 kohms
3	audio output	0.5 Vrms/ ⩽ 1 kohm
4	earth connection for audio	
5	earth connection B input	
6	audio input	0.5 Vrms/ ⩾ 10 kohms
7	B input	0.7 Vpp/75 ohms
8	remote control signals + status input	0-2/9.5-12 V/ ⩾ 10 kohms
9	earth connection G input	
10	not connected	
11	G-input	0.7 Vpp/75 ohms
12	not connected	
13	earth connection R input	
14	not connected	
15	R input	0.7 Vpp/75 ohms
16	fast blanking input	0-0.4/1-3 V/75 ohms
17	earth connection CVBS	
18	earth connection fast blanking	
19	CVBS output	1 Vpp/75 ohms
20	CVBS input	1 Vpp/75 ohms
21	screening plug	

General



- If the TV picture or sound does not give the desired result, check to ensure that the power is on, the aerial is connected and all the controls are set correctly.
- If there is no sound, check whether the loudspeaker has been switched off with button 🔇 on the remote control.
- If a bright white line appears on the screen or 'F' appears in the window together with a digit, switch off the TV and consult your dealer.
- The rear cover of the set should only be removed by a service technician.
- In order to get the longest possible service from your remote control we advise you to handle it carefully and avoid dropping or banging it.
- If the TV does not react to commands given with the remote control the batteries are probably flat. Replace them. It is advisable to use Philips Alkaline batteries, type LR03.

Cleaning the TV screen

The TV screen can be cleaned if necessary with a damp chamois leather. Do not use aggressive cleaning agents.